

MIDDLESEX COUNTY COLLEGE
FIRE & SECURITY ALARM SYSTEMS

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1. SCOPE OF WORK

The purpose of these specifications is the completion of a service type contract for a twelve (12) month period. After the execution of the contract, the Contractor shall provide emergency, maintenance and small job services defined by plans and/or narrative issued for each job, based on unit bid prices. Invoices will be paid for actual labor and materials used. All invoices must have supporting documentation attached. This work will be performed at the main Middlesex County College campus in Edison, New Jersey and New Brunswick Center in New Brunswick, New Jersey.

This contract is not intended to cover large capital projects which may include work on the College's site utilities during this service contract period.

The Contractor shall supply the labor, materials, and equipment required to perform the annual testing and inspection of the fire and security systems at Middlesex County College's campus in Edison, New Jersey. The systems shall be tested annually as required by the New Jersey Uniform Fire Code (N.J.A.C. 5:70,3.2 (a) 5, F-513.1) in accordance with the recommended practices of NFPA 72., 2002 edition. This will include any smoke evacuation systems, flow switches, HVAC equipment, etc. that are an integral part of the fire alarm system. A listing of the alarm system components for each of the buildings included in this service contract is attached.

Provide necessary manpower to conduct annual campus alarm testing on the Martin Luther King Holiday, January 18, 2016 and President's Day Holiday on February 15, 2016.

Upon the completion of testing, a full written test report including a comprehensive outline of all associated devices as well as a certificate shall be submitted to the College's Facilities Management Department.

The contractor will provide annual recommendations of updates and improvements to the system components to increase reliability of the overall system.

Please note that all testing shall be coordinated as not to disrupt the daily class schedule or administrative functions of the Campuses.

The facilities owned by Middlesex County College related to this contract include, but are not limited to fire and security alarm systems.

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BASE BID

The Base Bid is to include the rates for all of the emergency, maintenance and small job work as described in this specification and per attached list of equipment.

2. MATERIALS

The materials used under this contract shall be as specified on the drawings and in the specifications, be of a quality acceptable to the Engineer and meet applicable codes.

3. INSTALLATION/EXECUTION

Plans and specifications of the equipment and systems throughout the campus shall be provided by the College to the Contractor when available and requested by the Contractor. The accuracy of this information is not guaranteed by the College. It shall be the responsibility of the Contractor to verify this information and be fully familiar with the equipment and systems on campus and to proceed with all work in a safe and cost effective manner.

All work shall be performed by skilled mechanics in a workmanlike manner typical of the trades involved. No work shall be performed under conditions unsuitable for best results. Proper care shall be taken to protect all areas surrounding the work area so as not to cause damage. Work that will interfere with classes that are in session will be rescheduled during night hours or weekends when classes are not in session.

The contractor will be responsible for notifying the College Police Department of any work or possible alarm conditions they encounter during the performance of this contract.

4. QUALIFICATIONS

The Contractor shall include in the bid, verification that the work will be performed by mechanics properly trained for the work required and licensed if required by the State of New Jersey. Additionally, it is required that the staff of the Contractor contains at least one NICET Level III Certified Technician who shall be responsible for all work performed. Simplex certified in 4000 series panel or equivalently trained technicians are required for repair work.

The Contractor shall include in the bid a listing of a minimum of five (5) projects and/or service contracts similar in scope to this contract which have been successfully completed or currently in existence. The listing must include the firms for which the service was performed, a description of the work and the name and phone number of a reference for each who may be contacted by the College.

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The bidder is also required to submit with their bid a valid Fire Alarm Certification issued by the Division of Fire Safety in the State of N.J. and an electrical contractor's license issued by the Board of Examiners of Electrical Contractors of the State of N.J. Division of Consumer Affairs to verify that they are licensed to practice in New Jersey.

5. SITE CLEANUP

The Contractor shall be responsible for keeping the premises free from accumulation of waste materials and rubbish and for the removal of waste materials from the campus each time service is performed.

6. TIME CONSTRAINTS

A. Emergency Work

Emergency work requires a specific response to the Facilities Management Department, Building 229, within two (2) hours of notice by telephone to the Contractor's emergency number and the ability of the Contractor to mobilize and man the job with sufficient forces to complete the work in a timely fashion. The Contractor shall provide an emergency service dispatch telephone number that is staffed twenty-four (24) hours a day and seven (7) days a week. The emergency service number will not be an answering machine or pager number.

B. Maintenance Work and Small Jobs

Maintenance work and small jobs shall be initiated in the form of a request for a not-to-exceed cost from the College's Facilities Management Department. The Contractor shall review any plans that may be provided and inspect the job site in order to provide a written cost quote based upon the unit costs provided in the bid. The Contractor shall be ready to man this type of work with sufficient forces to complete the work in a timely fashion after notice to proceed has been issued by the Executive Director of Facilities Management. The Contractor shall report to the Facilities Management Department, Building 229, prior to beginning work.

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7. TERM

Pursuant to N.J.S.A.18A:64A-25.18, the College shall award the contract or reject all bids within 60 days from the opening of the bids. The contract shall cover the fiscal year 2016 (July 1, 2015 through June 30, 2016). The College reserves the right to terminate the contract at any time during the contract period with thirty (30) days written notification for poor service or failure to comply with the terms of this bid as solely judged by the College.

8. WORK HOURS

Regular working hours are from 8:00 AM to 4:30 PM on Monday through Friday. All other hours are considered overtime. If the Contractor's regular and overtime hours differ from this, the Contractor shall indicate them in the bid for approval by the College. All work associated with this contract shall be coordinated through the Facilities Management Office located on the Edison campus.

The Contractor shall also include in the bid a listing of the holidays observed by the Contractor for which a premium holiday rate would be invoiced.

9. GUARANTEE

The Contractor is required to guarantee all materials and workmanship for a period of twelve (12) months beginning at the satisfactory completion of each job.

10. ADDITIONAL INFORMATION/SITE VISIT

Site visits can be scheduled through Facilities Maintenance Director but must be done in a manner to minimize disruption of the educational environment.

Additional information may be obtained from the following individuals:

Facility/Specifications:

Dan Fuchs
Associate Director of Buildings and Systems
(732) 906-4670
(732) 906-4199 Fax

Proposal:

David Fricke
Director of Purchasing and Inventory
(732) 906-2519
(732) 906-4236 Fax

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SECURITY ALARMS EQUIPMENT

	MODEL	SERIAL	QTY	DESCRIPTION
College Center	PC550		1	Digital Security Control Alarm System
	PC500RK		1	Keypad
Johnson Learning Center	MC-6A		2	United Security Products Alarm Panel
	CC1-1		4	Napco Security System
Main Hall	PC 2500		1	Digital Security Control Alarm System
Physical Ed. Center	Mark 5000R		1	Napco Security System
	PC 1616	-	1	Digital Security Control Alarm System
West Hall	Ackron/Model DKIIA		2	Security System

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FIRE ALARM EQUIPMENT

List of Equipment
(SIMPLEX ALARM SYSTEM)

BILLY JOHNSON HALL:

MODEL No.	Serial	QTY	DESCRIPTION
4100-8201	None	1	Fire Alarms & Voice Control System 24 Zone - With Battery Stand By - Solid State Modules as Listed Below to Complete Control Functions Required.
4100-7000		1	Series Class "B" - 8 Zone Master Controller Two (2) Class "B" Signal Circuits (Indicating Appliance Cir.) Two (SPDT) Auxiliary Control Relays One (SPDT) Auxiliary Trouble Relay City Connection. Automatic Charger & Standby Battery. Power Supply – 5 Amps @ 24VDC Output - Power Limited.
4100-5000		2	Series Eight (8) Zone Modules for Zone Initiating Device Circuits - Class "B" (16 Zone Total)
4100-4000		1	Series Six (6) Circuit Modules Indicating Appliance Ckt
4100-3001		1	Four (4) DPDT Contact for Auxiliary Functions
4100-0206		1	Redundant Tone Generator
2081-9276		2	33 Ah Batteries
4100-0202		2	Dual 25W Amplifier With Power Supply
4100-0204		1	Hand Held Microphone & Enclosure
4100-0205		1	Master Telephone & Enclosure
4100-0220		1	Standard Voice Message Set
4100-0302		1	24 Point Graphic Interface
4100-0402		3	Annunciated 16 Point Red-Yellow LED

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4100-0403	1	8/8 Momentary Switches Red LED
4100-0404	1	8/16 Position Maintained Switches - Red - Green LED
4100-0412	1	Single Channel Audio Control Switch
2099-9201	12	Station - Single Action - Semi-Flush
2088-9554	8	Door Release Unit 24VDC Wall Mounted
2098-9201	25	Area Low Profile Electric Smoke Detector With It's Respective Base #2098-9637 - Two (2) Wire
2098-9649	7	Photo Electric Duct Detector With Sampling Tube 48" & Remote "RED" Alarm LED 2098-9788
2098-9450	4	Combination Rate of Rise & Fixed Temp. 135 degreeF
2084-9001	3	Remote Fire Fighters Telephone Jack
2902-9734	22	Flush Mounted Speaker With Box 2975-9173
2902-9734	12	Flush Mounted Speaker With Box 2975-9173 & Tile Bridge For Ceiling Mount & Title Bridge For Ceiling Mount.
2902-9732	31	Surface Speaker For Mounting On To Below Listed A/V Flasher
4903-9101	31	A/V Flasher Unit
FAA-150	1	Graphic Display (WSA)

BLUE COLT BOOKSTORE:

MODEL No.	Serial	QTY	DESCRIPTION
4020-8001	None	1	Fire Alarm Control Panel
4020-7558			4120 Configuration Node
4020-7003		1	Master Controller
4020-6081		1	Version 8 Software
		C-8	

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4020-6014		1	Modular 4120 Network IFC Card
4020-2002		1	4 Unit Package
4020-0143		2	Fiber Optic Comm Media Module
2081-9275		2	12 VDC Battery 18AH
4603-9101		1	LCD Annunciator
4901-9309		1	MTR Bell 24V 6" Red MB-G6-24R
4904-9139		1	V/O 24VDC 15CD Red 1 HZ
4905-9921		1	Modular Adapter for4904RED
4903-9236		13	A/V 24VDC 15CD RED 1 HZ Horiz
2099-9761		5	Pull Station MapII D/A
2099-9813		5	Pull Station Flush Trim
2190-9172		3	Supervised IAM
4098-9714		39	SSD Photo Sensor
4098-9792		39	SSD Sensor Base
4098-9753		3	SSD Sensor Duct Housing w/Relay
2098-9797		3	Sampling Tube 49"
4098-9714		3	SSD Photo Sensor
CENTER I			
Vigilant	VS-1	1	Fire panel
Vigilant	GSA-M278	4	Pull station
Vigilant	P2RK	1	Horn strobe Ext.
Vigilant	V-PS	6	Smoke det.
Vigilant	MG1RF-HDVM	1	Horn strobe interior

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CENTER 2

Vigilant	VS-1	1	Fire panel
Vigilant	GSA-M278	4	Pull station
Vigilant	P2RK	1	Horn strobe Ext.
Vigilant	V-PS	6	Smoke det.
Vigilant	MG1RF-HDVM	1	Horn strobe interior

CENTER 3

Vigilant	VS-1	1	Fire panel
Vigilant	GSA-M278	4	Pull station
Vigilant	P2RK	1	Horn strobe Ext.
Vigilant	V-PS	6	Smoke det.
Vigilant	MG1RF-HDVM	1	Horn strobe interior

CENTER 4

Vigilant	VS-1	1	Fire panel
Vigilant	GSA-M278	4	Pull station
Vigilant	P2RK	1	Horn strobe Ext.
Vigilant	V-PS	6	Smoke det.
Vigilant	MG1RF-HDVM	1	Horn strobe interior

CHAMBERS HALL:

MODEL	SERIAL	QTY	DESCRIPTION
4208	H-19752	1	Fire Alarm Control Panel
4308-04	H-24320	1	Stations
4080-70		8	Bells
4255-1		69	Heat Detectors
4265-135		11	Heat Detectors
4259-40		2	Photoelectric Detectors
4259-20		6	Smoke Detectors
----	----	1	System Electronics Dialer
4090-20		1	Bell
4090-20		1	Bell

COLLEGE CENTER:

MODEL	SERIAL	QTY	DESCRIPTION
4603-9101		1	LCD Annunciator
GL8-BL-LX-SR-MD24D-1		1	Graphic Annunciator
4099-9001		37	Pull Stations
4098-9714 sensor		224	Photo Electric Smokes
4098-9792 base			
4098-9756		4	Duct Smoke detectors with
2098-9806			

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Remote key switches

4098-9733	46	Addressable heat detectors
4098-9792 base		20 fixed temp & 26 rate of rise
4090-9001	3	Ansul System detectors
4906-9251	130	Speakers/Strobes
4906-9201	15	Strobe Only

CRABIEL HALL:

MODEL	SERIAL	QTY	DESCRIPTION
4100-9111	0566-888	1	Fire Alarm Control Panel
4603-9101		1	LCD Annunciator
4098-9792		97	Addressable smoke/heat base
4098-9714		32	Addressable smoke sensor
4098-9733		65	Addressable heat sensor
4099-9001		14	Addressable pull station
4090-9001		11	Addressable monitor module
4090-9002		5	Addressable control module
4096-9251		60	Addressable speaker/strobe
4906-9201		12	Addressable strobe only
MTWP-2475W-FR		4	Weatherproof horn/strobe
IOB-R		4	Weatherproof horn/strobe box
4098-9756		3	Addressable duct detector
2098-9806		3	Duct detector test switch
2098-9798		3	Duct detector sampling tube
2081-9296		2	Batteries
4100-0650		1	Battery Shelf

EAST HALL:

MODEL	SERIAL	QTY	DESCRIPTION
Vigilant VS1	N/A	1	Fire Alarm Control Panel
Vigilant GSAM273		5	Pull Station
GEVigilant VPS		27	Smoke Detectors
GEVigilant VHFD		6	Heat Detectors
GEVigilantMGR1-HDVM		8	Horn Strobes
GEVigilant P2RK		3	Exterior Horn Strobes

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EAST HALL ANNEX:

MODEL	SERIAL	QTY	DESCRIPTION
Quickstart	3100739	1	Miretone Fire Alarm Control Panel
642		1	Ademco Dialer
4251-20		5	Pull Station
----		1	Horn
----		5	Strobe
4265-135		19	Thermo Detectors
6580-1	881	1	Monitor Star Control

EDISON HALL:

MODEL	SERIAL	QTY	DESCRIPTION
2001-8023	S-94095	1	Fire Alarm Control Panel
4255-20		6	Stations
4090-66		2	Bells
4090-60		1	Bell
Kirkland		1	Annunciator
2098-9507		4	Smoke Detectors
2098-9506		8	Duct Detectors
4251-20		19	Stations
2091-9806		17	Horns
2903-9101		8	Lights
4308-8	S-91958	1	Annunciator

FACILITIES MAINTENANCE:

MODEL	SERIAL	QTY	DESCRIPTION
4010-9101	None	1	Simplex #4010 Control Panel
4090-9001	-----	10	Supervised IAM
4906-9127	-----	15	Horn/Strobe MC Red
490-9937	-----	15	Skirt, Horn/Strobe Red
2081-9288	-----	2	Battery 12.7 AH
4010-9101	-----	1	Fire Alarm Control Panel 250 Point
4010-9809	-----	1	City Circuit Card
4010-9813	-----	1	Expansion Power Supply 120 Volt
Vigilant	281B-PL	1	Heat det. Weld shop
Vigilant	270A-DPO	1	Pull station---Weld shop
Vigilant	MG1RF-HDVM	1	Horn strobe weld shop

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FOUNDATION OFFICE 111 Hof Rd.

Vigilant	VS-1	1	Fire panel
Vigilant	GSA-M278	2	pull station
Vigilant	P2RK	1	horn strobe Ext.
Vigilant	V-PS	1	smoke det.
Vigilant	MG1RF-HDVM	1	horn strobe interior

GATEWAY:

MODEL	SERIAL	QTY	DESCRIPTION
4208X	H-18408	1	Fire Alarm Control Panel
4293	D94305	1	Master Annunciator Remote Building Panel
4120-8901		1	Add to Existing NDU/Miniplex
4120-4321		1	6 Circuit Class B Style Y
4120-3001		1	4 Relays, 2 Amps w/Feedback
MODEL	SERIAL	QTY	DESCRIPTION
4120-1108		1	Power Limited 8A Power Supply
4120-0143		2	Fiber-Optic Comm Media Module
4120-0110		1	Mapnet II Addressable/Truealarm
4603-9101		1	LCD Annunciator
4901-9303		1	MTR Bell 24V 6" Red MB-G6-24-R
4904-9139		1	V/O 24VDC 15CD Red 1 HZ
4905-9921		1	Modular Adapter for 4904, Red
4903-9236		12	A/V 24VDC 15CD Red 1 HZ Horiz
2099-9761		12	Pull Station MapII D/A
2099-9813		3	Pull Station Flush Trim
2190-9172		3	Supervised IAM
4098-9714		29	SSD Photo Sensor
4098-9792		29	SSD Sensor Base

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4098-9753	2	SSD Sensor Duct Housing w/Relay
2098-9797	2	Sampling Tube 49"
4098-9714	2	SSD Photo Sensor
4251-20	3	Stations
4265-135	22	Fixed Temp Detectors
4090-66	2	Bells
4090-60	1	Bell

IRC

MODEL	SERIAL	QTY	DESCRIPTION
Simplex	4100	1	Fire panel
Simplex	2098-9201	20	Smoke detector
Simplex	2098-9652	20	Smoke base
Simplex	4303-9101	1	Annunciator
Simplex	2099-9761	10	Pull station
Simplex	2098-9408	4	Heat detector
Simplex	4098-9792	10	Smoke head base
Simplex	4098-9714	10	Smoke detector
Simplex	2098-9301	4	Duct detector

JOHNSON LEARNING CENTER:

MODEL	SERIAL	QTY	DESCRIPTION
4100	BJ-5194	1	Fire Alarm Control Panel
4265-4		8	Smoke Detectors - Halon Systems
4090-60		13	Bells
4421-2		1	Graphic Annunciator
4251-20		11	Pull Stations
4255-1		189	Heat Detectors

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L'HOMMEDIEU HALL:

MODEL	SERIAL	QTY	DESCRIPTION
4246-2	F-67282	1	Fire Alarm Control Panel
4311-12D	A-58491	1	Annunciator
4251-111		12	Pull Stations
4017-03		20	Bells
4255-1		196	Heat Detectors
4265-200		5	Heat Detectors
4017-42		1	Bell
FM998		8	Magnetic Door Holders
4261-1		11	Smoke Detectors
----	----	1	System Electronic Dialer

LIBRARY:

MODEL	SERIAL	QTY	DESCRIPTION
4246-1	S-20279	1	Fire Alarm Control Panel
4017-03		6	Bells
4017-02		1	Bell
4265-132		40	Thermo Detectors
4265-200		1	Thermo Detector
4310-2	S-13521		Annunciator
6580-1	1236	1	Monitor Star Control
4244-1	1896	1	Drill Box

MAIN HALL:

MODEL	SERIAL	QTY	DESCRIPTION
4246-2	20292	1	Fire Alarm Control Panel
642	-----	-	Ademco Dialer
4090-66		3	Bells
4251-20		3	Stations
4312-6D	1516	1	Annunciator
4255		22	Heat Detectors
4244-1	1897	1	Monitor Control STR

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Mill Gate

Vigilant	VS-1	1	Fire panel
Vigilant	GSA-M278	2	Pull station
Vigilant	P2RK	1	Horn strobe Ext.
Vigilant	V-PS	21	Smoke det.
Vigilant	MG1RF-HDVM	2	Horn strobe interior
Vigilant	MG1R-VM	3	Strobe only

NEW BRUNSWICK CAREER CENTER

MODEL No.	SERIAL	QTY	DESCRIPTION
4005-9101		1	FACP 8 IDC 4 NAC Beige
4903-9224		24	Mint-Horn W/ADA Strobe 24VDC R
4903-9425		8	A/V 15CD Red Standard QA
2099-9754		6	Pull Station S/A, INOO
4098-9408		3	Heat Detector 135 ROR For Base
4098-9601		4	SSD Photo Sensor Detector
4098-9788		7	SSD 2-Wire DET REM LED Base
4098-9681		1	SSD Detector Duct Housing
4098-9601		1	SSD Photo Detector
2098-9798		1	Sampling Tube 73"
4005-9810		1	AFMKT CCDACT for 4005
4005-9805		1	4 Point NAC/Relay Module
4005-9813		1	Expansion Power Supply
4005-9804		2	4 Point IDC Module Class B
2081-9274			2 Battery 10 AH
2975-9209		1	4005 Backbox Beige

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NEW STUDIO THEATER:

MODEL	SERIAL	QTY	DESCRIPTION
4100-9111		1	4100U Preconfig. Domestic 120V
4100-0634		1	Power Distribution Module 120V
4100-1279		8	2" Blank Display Module
4100-2300		1	Expansion Bay (Phase 10 Only)
4100-5101		1	XPS Power, 3 NACS, 120VAC
4100-6052		1	Event Reporting DACT
4100-2152		1	Indicator Only 2Bay Glass
4100-7905		1	Factory Built-Main Configured
4099-9001		12	Station, SA, Address, IDNET
4098-9714		20	SSD Photo Sensor
4098-9792		20	SSD Sensor Base
4098-9733		12	SSD Heat Sensor
4098-9792		12	SSD Sensor Base
4906-9251		23	Speakers/Strobes
4603-9101		1	LCD Enunciator

NORTH HALL:

MODEL	SERIAL	QTY	DESCRIPTION
MIR-QS4-5-R-1	642 Ademco AR5646	1	Fire Alarm Control Panel
4302-4	SA-716	1	Annunciator Panel
642		1	Ademco Dialer
4251-20		6	Pull Station
4017-03		7	Bells
4265-135		47	Thermo Detectors
4265-200		1	Thermo Detectors
6580-1	804-025	1	Monitor Star Control

PERFORMING ARTS CENTER:

MODEL	SERIAL	QTY	DESCRIPTION
4208	F-76609	1	Fire Alarm Control Panel
4099-9001		21	Pull Stations
4098-9714		48	Sensor Photo Electric Smokes
4098-9792			Base
4098-9756		2	Duct Detectors W/Remote Indicators
2098-9806			Base
4098-9733		26	Heat Detectors-Rate Of Rise
4098-9792			Base
4906-9251		42	Speakers/Strobes
4906-9201		6	(Visual Only) Strobes

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PHYSICAL EDUCATION CENTER:

MODEL	SERIAL	QTY	DESCRIPTION
2001-8023	S-94093	1	Fire Alarm Control Panel
4251-20		31	Stations
4305-21	U-63607	1	Annunciator
2098-9507		70	Smoke Detector (Ceiling)
2098-9506		36	Smoke Detector (Duct)
2901-9806		13	Horns
2903-9101		13	Lights

RARITAN HALL:

MODEL	SERIAL	QTY	DESCRIPTION
4246-2	15619	1	Fire Alarm Control Panel
4251-20		17	Pull Stations
4305-8	X-31556	1	Annunciator
2098-9464		105	Thermo Detectors
2098-9642		1	Smoke Detector
4017-03		13	Bells
4001	I-19359DL	1	Fire Alarm Panel

WEST HALL:

MODEL	SERIAL	QTY	DESCRIPTION
4208	D-76986	1	Fire Alarm Control Panel
4251-12D		6	Pull Stations
4255-111		10	Heat Detectors
4265-135		36	Heat Detectors
4265-200		4	Heat Detectors
4067-61		3	Bells
4067-01		2	Bells
642		1	Ademco Dialer

WEST HALL Trailers

Vigilant Fire Lite	MS-2	1	Fire panel
V-PS		6	Smoke det.
GSA-M278		2	Pull station
P2RK		1	Ext horn strobe
MG1R-VM		4	Interior strobe

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